



# COMMONWEALTH of VIRGINIA

## DEPARTMENT OF FORENSIC SCIENCE

CENTRAL LABORATORY  
A Nationally Accredited Laboratory

700 NORTH 5TH STREET  
RICHMOND, VIRGINIA 23219  
(804) 786-6971

### CERTIFICATE OF INSTRUMENT ACCURACY

INSTRUMENT: Intox EC/IR II  
SERIAL NUMBER: 010619  
CERTIFICATION DATE: October 16, 2013  
DATE RECERTIFICATION DUE: April 14, 2014

The above listed instrument was found to meet all requirements for accuracy and performance established by the Department of Forensic Science. This certification is valid from the above listed certification date until the above listed date for recertification.

Melissa Kennedy  
Program Manager, Calibration & Training

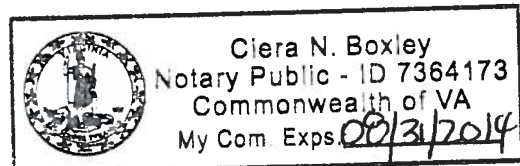
CITY OF RICHMOND  
COMMONWEALTH OF VIRGINIA

The foregoing was acknowledged before me this 16th day of November, 2013 by Melissa Kennedy

Ciera N. Boxley, Notary Public

My commission expires: August 31, 2014

TLV



**Department of Forensic Science**  
**Breath Alcohol Section**  
**Instrument Maintenance History**  
**1/1/1990 To 10/18/2013**

*HMS*  
*NSK*

**Instrument Serial Number: 010619**

**As of 18-Oct-13**

<b>Maintenance</b>	<b>Certification</b>	<b>Technician</b>	
<b>Date</b>	<b>Date</b>	<b>Initials</b>	<b>Remarks</b>
16-Oct-13	16-Oct-13	HMS (18910)	FIRMWARE/SOFTWARE UPGRADE, CALIBRATED AND CERTIFIED, REPLACED DRY GAS STANDARD.
12-Aug-13	14-May-13	MMB (26417)	REPLACED DRY GAS STANDARD.
14-May-13	14-May-13	HMS (18910)	CALIBRATED AND CERTIFIED.
12-Apr-13	28-Feb-13	HMS (18910)	REPLACED DRY GAS STANDARD.
28-Feb-13	28-Feb-13	HMS (18910)	CERTIFIED
21-Nov-12	21-Nov-12	HMS (18910)	REPLACED AND TESTED FUEL CELL MODULE, CALIBRATED AND CERTIFIED.
08-Nov-12	08-Nov-12	TLN (25387)	FIRMWARE/SOFTWARE UPGRADE. CALIBRATED AND CERTIFIED.
11-Aug-10	11-Aug-10	HMS (18910)	CALIBRATED AND CERTIFIED.
16-Jul-10	01-Mar-10	HMS (18910)	REPLACED DRY GAS STANDARD.
03-Jun-10	01-Mar-10	HMS (18910)	REPLACED DRY GAS STANDARD.
06-May-10	01-Mar-10	HMS (18910)	REPLACED DRY GAS STANDARD.
01-Mar-10	01-Mar-10	HMS (18910)	REPLACED DRY GAS STANDARD, CALIBRATED AND CERTIFIED.
18-Dec-09	23-Sep-09	HMS (18910)	REPLACED DRY GAS STANDARD.
23-Sep-09	23-Sep-09	HMS (18910)	REPLACED DRY GAS STANDARD, CALIBRATED AND CERTIFIED.
09-Jul-09	21-Apr-09	HMS (18910)	REPLACED DRY GAS STANDARD.
21-Apr-09	21-Apr-09	HMS (18910)	CERTIFIED.
11-Mar-09	11-Mar-09	NMJ (22392)	FIRMWARE / SOFTWARE UPGRADE, CERTIFIED.
23-Feb-09	23-Feb-09	NMJ (22392)	CALIBRATED, CERTIFIED AND ACCEPTED.

**INTOX EC/IR II**  
**Quality Assurance Worksheet**

Handwritten initials: HMB and MJK

Instrument Serial Number **010619** Worksheet Start Date **10/16/2013**

Location **Fairfax County Adult Detention Center**

Address **10520 Judicial Dr., Fairfax, VA 22030**

DFS Technician **Heather Stanton** License No. **18910**

☐ Laboratory ☒ On-Site

**Site Specifications**

Yes No

**1 Secured Environment:**

Location must not be accessible to the general public.

☒ ☐

**2 Environment free from contaminants**

☒ ☐

**3 Dedicated telephone line:**

The phone line should be used solely by the instrument.

☒ ☐

**4 Adequate Ventilation:**

Enough space must be provided for the instrument and the printer to allow for adequate ventilation.

☒ ☐

**5 Stable temperature controls:**

The instrument should not be exposed to direct sources of temperature variation.

☒ ☐

**6 115VAC power source:**

Whenever possible instrument power circuit should not be shared with refrigerators, copy machines or other high amperage devices.

☒ ☐

**7 Room Condition:**

The site should be free of excessive moisture, heat and dust.

☒ ☐

Old serial no.	New serial no.	Supplies
E-Seek		Mouthpieces
Keyboard		Certificates of Analysis
Printer		Operator Worksheet
UPS		Other:



Maintenance (if any)  
Firmware/software upgrade.

Comments (if any)

Instrument Serial Number 010619

Certification Date 10/16/2013

Instrument Barometer (mm HG) 751

Reference Barometer (mm HG) 752

Reference Barometer(RB)Serial # 009113

RB Calibration Due 5/8/2014

<b>Standard (sea level)</b>	<b>PA Target</b>	<b>minimum</b>	<b>maximum</b>	<b>Sample 1</b>	0.246
0.250	0.247	0.239	0.254	<b>Sample 2</b>	0.246
<b>Precision</b>		<b>sample min</b>	<b>sample max</b>	<b>Sample 3</b>	0.246
0		0.246	0.246		

<b>Standard (sea level)</b>	<b>PA Target</b>	<b>minimum</b>	<b>maximum</b>	<b>Sample 1</b>	0.152
0.150	0.148	0.143	0.152	<b>Sample 2</b>	0.152
<b>Precision</b>		<b>sample min</b>	<b>sample max</b>	<b>Sample 3</b>	0.152
0		0.152	0.152		

<b>Standard (sea level)</b>	<b>PA Target</b>	<b>minimum</b>	<b>maximum</b>	<b>Sample 1</b>	0.079
0.080	0.079	0.076	0.082	<b>Sample 2</b>	0.079
<b>Precision</b>		<b>sample min</b>	<b>sample max</b>	<b>Sample 3</b>	0.079
0		0.079	0.079		

<b>Standard (sea level)</b>	<b>PA Target</b>	<b>minimum</b>	<b>maximum</b>	<b>Sample 1</b>	0.019
0.020	0.020	0.017	0.023	<b>Sample 2</b>	0.019
<b>Precision</b>		<b>sample min</b>	<b>sample max</b>	<b>Sample 3</b>	0.019
0		0.019	0.019		

all measurements are in g/210L

Estimation of Uncertainty of Measurement and traceability records are located within the Breath Alcohol Section

☒ Calibrated☒ Certified☒ Replaced dry gas standard (+O-ring)

Dry gas standard Lot No. (with tank no.)

AG206601-15

☒ Measurement Assurance Check☒ Run a Breath Test (Instrument Test)

(successful completion denotes satisfactory condition of the item)

<b>Standard (sea level)</b>	<b>PA Target</b>	<b>minimum</b>	<b>maximum</b>	<b>Sample 1</b>	0.100
0.100	0.099	0.096	0.102	<b>Sample 2</b>	0.099
<b>Precision</b>		<b>sample min</b>	<b>sample max</b>	<b>Sample 3</b>	0.099
0.001		0.099	0.100		

DFS Technician

*Heath W. Stark*

Date

10/16/13

10-21-13  
HWS

Issuing Analyst

*Melrose Kennedy*

Date

10/25/13

Intox EC/IR II QA Worksheet

Issued by Calibration and Training Program Manager

Issue Date: 4-March-2013

TLN

DFS Document 250-F113

Revision 6

Page 2 of 2



COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS  
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

NAME OF ACCUSED <b>INSTRUMENT, TEST,</b>	NAME OF COURT <b>DFS</b>
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**BREATH ANALYSIS**

SAMPLE EXAMINED AND TEST CONDUCTED BY <b>STANTON, HEATHER, M</b>		AGENCY <b>DFS Central Lab</b>
DFS LICENSE NUMBER <b>18910</b>	LICENSE EXPIRES <b>10/01/2014</b>	DATE TEST CONDUCTED <b>10/16/2013</b>
TEST EQUIPMENT NUMBER <b>010619</b>		

RESULTS: TIME SAMPLE TAKEN 10:00 EDT

SAMPLE'S ALCOHOL CONTENT 0.00 GRAMS PER 210 LITERS OF BREATH

**ATTEST:**

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 20\_\_\_\_\_.

BREATH TEST OPERATOR

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS \_\_\_\_\_  
SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS \_\_\_\_\_  
OPERATOR'S SIGNATURE



# IntoxNet MIS Report

Report Generated 16 Oct 2013 at 10:27

TLN  
HWS  
MSK

## Test Results

Instrument Serial Number 010619

Test # 002409 Subject Test

Test Location 1 Department of

Test Date 16 Oct 2013

Test Location 2 Forensic Science

Test Time 09:54

Remote/Local Local

Test Location 3

System Check Passed

Operator's Last Name STANTON

Agency DFS Central Lab

Card Serial Number 118910

Subject's Last Name INSTRUMENT

Subject's Middle Initial

Driver's License Number

Driver's License State

Operator's First Name HEATHER

License Number 18910

Effective Date 10/01/2012

Subject's Date of Birth 00/00/0000

Operator's Middle Initial M

Expiration Date 10/01/2014

Subject's First Name TEST

Subject's Sex Male

Driver's License Expiration 00/00/0000

Court Name DFS

End Date 16 Oct 2013

End Time 10:02

Result Time 10:00

Result Date 16 Oct 2013

Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 09:54

Data Type BLK

Sample Value 0.000

Sample Time 09:55

Data Type CHK

Sample Value 0.099

Sample Time 09:56

Data Type BLK

Sample Value 0.000

Sample Time 09:57

Data Type SUBJ

Sample Value 0.000

Sample Time 09:58

Data Type BLK

Sample Value 0.000

Sample Time 09:59

Data Type SUBJ

Sample Value 0.000

Sample Time 10:00

Data Type BLK

Sample Value 0.000

Sample Time 10:01

Standard Type Dry Gas Std

Standard Value 0.099

Standard Lot Number AG210901-14

Standard Expiration Date 04/18/2014

Tank Pressure 286

Barometric Pressure 751 mmHg

Blow Sample Number 1

Blow Duration 3.42 sec

Blow Volume 1781 cc

End-of-Blow Time 09:58

Blow Sample Number 2

Blow Duration 3.41 sec

Blow Volume 1757 cc

End-of-Blow Time 10:00

Tamper Evident Stamp f08d2c8b

Test Status Code 0

Test Status Success

**Intox EC/IR-II: Accuracy Check**

*Department of Forensic Science*

Serial Number: 010619      Test Number: 2410

Test Date: 10/16/2013      Test Time: 10:03 EDT

Dry Gas Target: 0.099

Lot Number: AG210901-14      Exp Date: 04/18/2014

Tank Pressure: 281 psi      Barometric Pressure: 751 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	10:04
CHK	0.099	10:04
BLK	0.000	10:06
CHK	0.099	10:07
BLK	0.000	10:08
CHK	0.099	10:09

Test Status: *Success*

Calibration CRC: 5CC1F4A2

HMS

MLK

# Intox EC/IR-II: Accuracy Check

## Department of Forensic Science

Serial Number: 010619 Test Number: 2411

Test Date: 10/16/2013 Test Time: 10:14 EDT

AG 32270-02 Dry Gas Target: 0.296

Lot Number: AG210901-14 Exp Date: 04/18/2014 8-15-2015

10/18/13 HMS Tank Pressure: 85 psi Barometric Pressure: 751 mmHg

System Check: Passed

HMS  
10/18/13

Test	g/210L	Time
BLK	0.000	10:15
CHK	0.298	10:16
BLK	0.000	10:17
CHK	0.298	10:18
BLK	0.000	10:20
CHK	0.298	10:21

Test Status: Success

Calibration CRC: 5CC1F4A2

Forgot to update tank information.

HMS  
10/18/13.

Left instrument disabled until I spoke with supervisor.

HMS  
10-21-13



**Intox EC/IR-II: Software Version**

*Department of Forensic Science*

Serial Number: 010619

System Date: 10/16/2013

System Time: 10:49 EDT

Software Version: VS00333-K

Software CRC: 56745BCA

Firmware Version: VS00171-CL

Firmware CRC: 7107756B

**Intox EC/IR-II: Calibration**

*Department of Forensic Science*

Serial Number: 010619      Test Number: 2412

Test Date: 10/16/2013      Test Time: 10:52 EDT

Dry Gas Target: 0.099

Lot Number: 0651210013-06      Exp Date: 04/01/2014

Tank Pressure: 634 psi      Barometric Pressure: 751 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	10:52
CAL	0.099	10:53

Test Status: *Success*

Calibration CRC: 6D7D174D

**Intox EC/IR-II: Certification**

*Department of Forensic Science*

Serial Number: 010619      Test Number: 2413  
Test Date: 10/16/2013      Test Time: 10:56 EDT

Technician Initials: HMS

Dry Gas Target: 0.247

Lot Number: 2961225012-08      Exp Date: 11/01/2014

Tank Pressure: 512 psi      Barometric Pressure: 751 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	10:56
BLK	0.000	10:57
CHK	0.246	10:58
BLK	0.000	11:00
CHK	0.246	11:00
BLK	0.000	11:02
CHK	0.246	11:03
BLK	0.000	11:05

**Success**

Standard Value (at sea level): 0.250 g/210L

Certification Status: Continued

**Intox EC/IR-II: Certification**

*Department of Forensic Science*

Serial Number: 010619      Test Number: 2414  
Test Date: 10/16/2013      Test Time: 11:06 EDT

Technician Initials: HMS

Dry Gas Target: 0.148

Lot Number: 0771315013-04      Exp Date: 05/01/2015

Tank Pressure: 66 psi      Barometric Pressure: 750 mmHg  
System Check: Passed

Test	g/210L	Time
DIAG	Pass	11:06
BLK	0.000	11:07
CHK	0.152	11:08
BLK	0.000	11:09
CHK	0.152	11:10
BLK	0.000	11:12
CHK	0.152	11:13
BLK	0.000	11:15

**Success**

Standard Value (at sea level): 0.150 g/210L

Certification Status: Continued

**Intox EC/IR-II: Certification**

*Department of Forensic Science*

Serial Number: 010619      Test Number: 2415  
Test Date: 10/16/2013      Test Time: 11:16 EDT

Technician Initials: HMS

Dry Gas Target: 0.079

Lot Number: 0651208012-04      Exp Date: 04/01/2014

Tank Pressure: 75 psi      Barometric Pressure: 750 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	11:17
BLK	0.000	11:17
CHK	0.079	11:18
BLK	0.000	11:19
CHK	0.079	11:20
BLK	0.000	11:22
CHK	0.079	11:22
BLK	0.000	11:24

**Success**

Standard Value (at sea level): 0.080 g/210L

Certification Status: Continued

HMS  
MCK

**Intox EC/IR-II: Certification**

*Department of Forensic Science*

Serial Number: 010619      Test Number: 2416  
Test Date: 10/16/2013      Test Time: 11:25 EDT

Technician Initials: HMS

Dry Gas Target: 0.020

Lot Number: 0651202011-03      Exp Date: 04/01/2014

Tank Pressure: 144 psi      Barometric Pressure: 750 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	11:25
BLK	0.000	11:26
CHK	0.019	11:27
BLK	0.000	11:28
CHK	0.019	11:29
BLK	0.000	11:30
CHK	0.019	11:31
BLK	0.000	11:32

**Success**

Standard Value (at sea level): 0.020 g/210L

Certification Status: Success

HHS  
Add

**Intox EC/IR-II: Accuracy Check**

*Department of Forensic Science*

Serial Number: 010619      Test Number: 2417

Test Date: 10/16/2013      Test Time: 11:35 EDT

Dry Gas Target: 0.296

Lot Number: AG322702-02      Exp Date: 08/15/2015

Tank Pressure: 71 psi      Barometric Pressure: 750 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	11:36
CHK	0.300	11:37
BLK	0.000	11:39
CHK	0.300	11:39
BLK	0.000	11:41
CHK	0.300	11:42

Test Status: *Success*

Calibration CRC: 6D7D174D

Handwritten initials: HNS and MSK

**Intox EC/IR-II: Accuracy Check**

*Department of Forensic Science*

Serial Number: 010619      Test Number: 2418

Test Date: 10/16/2013      Test Time: 11:46 EDT

Dry Gas Target: 0.099

Lot Number: AG206601-15      Exp Date: 03/06/2014

Tank Pressure: 600 psi      Barometric Pressure: 750 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	11:46
CHK	0.100	11:47
BLK	0.000	11:49
CHK	0.099	11:49
BLK	0.000	11:51
CHK	0.099	11:52

Test Status: *Success*

Calibration CRC: 6D7D174D





COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS  
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

NAME OF ACCUSED <b>INSTRUMENT, TEST,</b>	NAME OF COURT <b>DFS</b>
---	-----------------------------

**BREATH ANALYSIS**

SAMPLE EXAMINED AND TEST CONDUCTED BY <b>STANTON, HEATHER, M</b>		AGENCY <b>DFS Central Lab</b>
DFS LICENSE NUMBER <b>18910</b>	LICENSE EXPIRES <b>10/01/2014</b>	DATE TEST CONDUCTED <b>10/16/2013</b>
TEST EQUIPMENT NUMBER <b>010619</b>		

RESULTS: TIME SAMPLE TAKEN 12:00 EDT  
SAMPLE'S ALCOHOL CONTENT 0.00 GRAMS PER 210 LITERS OF BREATH

**ATTEST:**

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 20\_\_\_\_\_.

BREATH TEST OPERATOR
----------------------

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS \_\_\_\_\_ SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS \_\_\_\_\_ OPERATOR'S SIGNATURE



# IntoxNet MIS Report

Report Generated 18 Oct 2013 at 08:20

AMS  
MSK

## Test Results

Instrument Serial Number 010619

Test # 002419 Subject Test

Test Location 1 Department of  
Test Date 16 Oct 2013

Test Location 2 Forensic Science  
Test Time 11:53  
Remote/Local Local

Test Location 3  
System Check Passed

Operator's Last Name STANTON  
Agency DFS Central Lab

Operator's First Name HEATHER

Operator's Middle Initial M

Card Serial Number 118910

License Number 18910

Effective Date 10/01/2012

Expiration Date 10/01/2014

Subject's Last Name INSTRUMENT

Subject's First Name TEST

Subject's Middle Initial

Subject's Date of Birth 00/00/0000

Subject's Sex Male

Driver's License Number

Driver's License Expiration 00/00/0000

Driver's License State

Court Name DFS

End Date 16 Oct 2013 End Time 12:01

Result Time 12:00

Result Date 16 Oct 2013 Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 11:54

Data Type BLK

Sample Value 0.000

Sample Time 11:55

Data Type CHK

Sample Value 0.099

Sample Time 11:55

Data Type BLK

Sample Value 0.000

Sample Time 11:57

Data Type SUBJ

Sample Value 0.000

Sample Time 11:58

Data Type BLK

Sample Value 0.000

Sample Time 11:59

Data Type SUBJ

Sample Value 0.000

Sample Time 12:00

Data Type BLK

Sample Value 0.000

Sample Time 12:01

Standard Type Dry Gas Std

Standard Value 0.099

Standard Lot Number AG206601-15

Standard Expiration Date 03/06/2014

Tank Pressure 595

Barometric Pressure 750 mmHg

Blow Sample Number 1 Blow Duration 3.44 sec

Blow Volume 1810 cc End-of-Blow Time 11:58

Blow Sample Number 2 Blow Duration 3.44 sec

Blow Volume 1739 cc End-of-Blow Time 12:00

Tamper Evident Stamp 9c088a86

Test Status Code 0

Test Status Success